

US EPA RECORDS CENTER REGION 4



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Monthly Oversight Report 6  
ACS NPL Site  
Griffith, Indiana  
June 2, 2001 - June 29, 2001



# BLACK & VEATCH

101 N. Wacker Drive  
Suite 1100  
Chicago, Illinois 60606-7302

Tel: (312) 346-3775  
Fax: (312) 346-4781

Black & Veatch Special Projects Corp.

USEPA/RAC VII  
American Chemical Services RAO (057-ROBF-05J7L1)

BVSPC Project 46526  
BVSPC File C.3  
July 16, 2001

Mr. Kevin Adler  
U.S. Environmental Protection Agency  
77 W. Jackson Boulevard (SR-6J)  
Chicago, Illinois 60604-3590

Subject: Monthly Oversight Summary Report  
No. 6 for June 2001

Dear Mr. Adler:

Enclosed is the Monthly Oversight Summary Report No. 6 for June 2001 for the American Chemical Services Superfund Site in Griffith, Indiana.

If you have any questions, please call (312-683-7856) or email ([campbelllm@bv.com](mailto:campbelllm@bv.com)).

Sincerely,

BLACK & VEATCH Special Projects Corp.

Larry M. Campbell, P.E.  
Site Manager

Enclosure

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**Monthly Oversight Summary Report No. 6**  
**ACS Superfund Site WA30, 46526.238**

**Reporting Period:** Month of June (June 2 - June 29, 2001)

**BVSPC O/S Dates:** June 6, 7, 14, 18, 21, and 26, 2001

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza, Warrenville, IL	8	Respondent's General Contractor
Black & Veatch Special Projects Corp. (BVSPC)	3	USEPA Oversight Contractor
Mid American Drilling	1	Potential ISVE Drilling Contractor
Austgen Electrical	1	Electrical Contractor
Area Survey	2	Surveyor
Great Lakes Environmental	1	Material Testing Services
IT Corporation	1	Potential ISVE Drilling Contractor
Boart Longyear	1	Potential ISVE Drilling Contractor
Rock & Soil Drilling	1	Potential ISVE Drilling Contractor
Terra Engineering & Construction	1	Potential ISVE Drilling Contractor
USEPA	1	
IDEM	2	
Top Flight Environmental Drilling	1	Potential ISVE Drilling Contractor
Koester Environmental Services	2	Buried Drum Removal Contractor
Midwest Environmental, Inc.	2	IDW Drum Management/ Detention Pond Contractor

## **Construction Activities**

### **Major Activities:**

- Samples were collected from drums removed during water line installation for HAZCAT analysis (Montgomery Watson Harza with Koester Environmental Services).
- A clay cover was placed over regraded PCB and SVOC spoils piles, IDW waste, and K-P building debris in the OSCA (Midwest Environmental Inc.)
- Topographic survey has been done in OSCA to determine where additional clay is needed (Area Survey).
- Groundwater sampling (major round) took place on the week of June 18, 2001.
- Discharge for GWTP has been rerouted to decrease water in wetlands in preparation for PCB contaminated soil removal.
- ISVE well installation pre-bid meeting and site tour with Montgomery Watson Harza and potential well drilling contractors.

### **Activities Performed:**

While drum removal activities were completed at the end of May, some minor issues relating to the drum removal work were dealt with this month. Koester Environmental Services returned to the site to obtain samples from several drums for HAZCAT analysis. These drums were overlooked during the original sampling as they were excavated during an earlier water line installation, prior to the recent removal action.

The roll off boxes have been relocated within the site to allow for ACS truck traffic. Montgomery Watson Harza, along with help from the ACS staff on weekends, monitors the roll off boxes and drums twice daily. Disposal options for drums and roll off box contents are still being investigated. Consideration is currently being given to recycling (blending of liquids), and incineration.

Clay cover has been placed over the PCB and SVOC spoils piles, IDW waste, and K-P building debris in the OSCA. A topographic survey is being prepared to determine areas where additional clay is needed. Nuclear density testing has been performed on existing clay cover to determine whether it is suitable material for the interim cap. RFBs for the interim cap work and the ISVE well drilling in the OSCA were prepared and sent to potential bidders. On June 26, 2001 a pre-bid meeting and site tour for ISVE well installation took place.

The discharge for the GWTP has been rerouted to reduce water in the wetlands for upcoming PCB soil removal. The piping utilized for this has been used previously onsite for dewatering drum removal excavation area. Piping has been pressure washed. Montgomery Watson Harza stated that a sample was taken from the effluent pipe on June 26, 2001.

The ORC wells in the south pilot study were sampled during the week of June 25, 2001.

Attached are BVSPC's weekly reports, correspondence, log book notes, and photographs of the daily activities. BVSPC's crew conducted oversight of the major field activities during June 6, 7, 14, 18, 21, and 26, 2001.

**Topics of Concern:**

- Montgomery Watson Harza was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

**Concern Resolution:**

- None to report this month.

**Upcoming Activities:**

- Cap installation and final grading of detention pond in offsite area. (Montgomery Watson Harza does not believe it necessary to use 40 hour trained contractors for this work. They believe the work will not be intrusive.)
- Pilot study for drilling method in offsite area.
- PCB soil removal in wetlands tentatively scheduled for July.
- Once water table is lowered, Contract Dewatering will return to install clean out in extraction trench 20.
- Piezometers damaged during the grading that occurred in the OSCA will be replaced.

**Signatures:**     Margaret Mulkerrin

**Date:**     July 16, 2001

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**Weekly Oversight Summary Report No. 14**  
**ACS Superfund Site WA30, 46526.238**

**Reporting Period:** Week of June 4, 2001

**BVSPC O/S Dates:** June 6, 2001 and June 7, 2001 (Ms. Mulkerrin)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza, Warrenville, IL	2	Respondent's General Contractor
Black & Veatch Special Projects Corp. (BVSPC)	1	USEPA Oversight Contractor
Koester Environmental Services	2	Drum Removal Contractor
Midwest Environmental Inc.	2	OSCA Contrator
Austgen Electrical	1	Electrical Contractor

**Construction Activities**

**Major Activities:**

- Samples were collected from drums removed during water line installation for HAZCAT analysis (Montgomery Watson Harza with Koester Environmental Services).
- A 4" clay cover was placed over regraded PCB spoils pile in the south offsite area (Midwest Environmental, Inc.).
- Roll off boxes have been relocated within the onsite area to allow for ACS truck traffic. Caution tape surrounds the area where they are staged. Montgomery Watson Harza will monitor the roll off boxes and drums twice daily.
- Weekly construction coordination meeting .

**Topics of Concern:**

- Montgomery Watson Harza was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

**Upcoming Activities:**

- Final grading of detention pond in offsite area.
- Cap installation in offsite area.
- Pilot study for drilling method in offsite area.
- PCB soil removal in wetlands tentatively scheduled for July.
- Once water table is lowered, Contract Dewatering will return to install clean out in extraction trench 20.
- Groundwater sampling event to occur the week of June 18<sup>th</sup>.

Signature: Margaret Mulkerrin

Date: July 9, 2001

WEEKLY CONSTRUCTION MEETING MINUTES  
FOR JUNE 7, 2001 MEETING  
AMERICAL CHEMICAL SERVICES NPL SITE

MEETING DATE: June 7, 2001

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site - Site Trailer

ATTENDEES:

Peter Vagt - Montgomery Watson (MW)  
Todd Lewis - MW  
Margaret Mulkerrin - Black & Veatch  
Tom Tinics - MW  
Lee Orosz - MW

TOPICS

Health and Safety

*Off-Site Temporary Cover:* Air monitoring will continue until all Off-Site spoils piles are covered with clay.

Drum Removal Update

*Demobilization of Koester Environmental Services (KES):* KES demobilized on Friday, June 1, 2001. They re-mobilized on June 6, 2001 to collect samples and perform Hazcat analyses on the drums removed in 1997 during the installation of the water line to the groundwater treatment plant (GWTP). The KES trailer will remain on site for a few more weeks.

*Disposal plans:* The overpacked drums and roll-off bins will be sent off site for disposal as soon as disposal plans are finalized. Tom Tinics of MW currently conducts two daily inspections of the overpacked drums and roll-off bins and records his observations. To date, no problems have been noted.

Off-Site Temporary Cover

*Current efforts:* The arrival of clay and continued grading of the site was delayed about a week due to inclement weather. Grading began on June 7, 2001 and clay placement began on June 8, 2001.

*One to two week look ahead schedule for Off-Site Temporary Cover:* Area Survey will be surveying the Off-Site Area during the week of June 11, 2001 in order to document the existing clay thickness. Then additional clay will be laid as needed to complete the interim cover.



### Excavation of PCB-impacted Soil in Wetlands

The excavation of PCB-impacted soil in the wetland area is scheduled for July 2001. Prior to the excavation work, the wetland area will be partially dewatered through increased use of the Perimeter Groundwater Collection System (PGCS). Also, effluent from the GWTP will be discharged south of the railroad tracks instead of into the wetlands.

### In Situ Vapor Extraction System (ISVE) - Off-Site Area

A planning meeting is scheduled for June 12, 2001 at the site with the catalytic oxidizer unit vendor. Montgomery Watson plans to solicit quotes from both auger and bucket rigs for installing the ISVE wells in the Off-Site Area. Work will begin in the Kapica Pazmey area with an auger rig and will transition to a bucket rig if needed. The installation of the ISVE wells is dependent upon the completion of the interim cap.

### Summary of Past Two Weeks

*Summary of GWTP operation:* Pumping from the firepond has been discontinued with the completion of the drum excavation. Currently, extraction wells EW-10, EW-11, and EW-20, and the PGCS are being pumped into the GWTP.

### Looking Ahead to Next Two Weeks

The construction of Off-Site Temporary Cover will continue.

The Long-Term Groundwater Monitoring June 2001 sampling round is scheduled for week of June 18. It will include a full round of water levels and collection of indication parameters from all Monitoring Network wells. Also, we will conduct the third round of sampling of the ORC<sup>™</sup> South Area Pilot Study wells.

Contract Dewatering Systems (CDS) will return in June to complete the installation of the Barrier Wall Extraction System by finishing the cleanout for EW-20.

### Next Weekly Construction Meeting

- Thursday, June 14, 2001

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**Weekly Oversight Summary Report No. 15**  
**ACS Superfund Site WA30, 46526.238**

**Reporting Period:** Week of June 11, 2001

**BVSPC O/S Dates:** June 14, 2001 (Ms. Mulkerrin)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza, Warrenville, IL	3	Respondent's General Contractor
Black & Veatch Special Projects Corp. (BVSPC)	1	USEPA Oversight Contractor
Area Survey	2	Surveyor
Midwest Environmental Inc.	2	OSCA Contractor
Austgen Electrical	1	Electrical Contractor

**Construction Activities**

**Major Activities:**

- A clay cover was placed over regraded PCB and SVOC spoils piles, IDW waste, and K-P building debris in the south offsite area (Midwest Environmental, Inc.).
- Topographic survey has been done in OSCA to determine where additional clay is needed (Area Survey).
- RFB for interim cap has been sent out this week (Montgomery Watson Harza).
- MWH compacted the newly laid clay covering the OSCA with a smooth drum roller. He stated this clay cover will not be included as part of credited the interim cap.
- Weekly construction coordination meeting .

**Topics of Concern:**

- Montgomery Watson Harza was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

**Upcoming Activities:**

- Final grading of detention pond in offsite area.
- Cap installation in offsite area.
- Pilot study for ISVE well drilling method in offsite area.
- PCB soil removal in wetlands tentatively scheduled for July.
- Once water table is lowered, Contract Dewatering will return to install clean out in extraction trench 20.
- Groundwater sampling event to occur the week of June 18<sup>th</sup>.
- Piezometers damaged during the grading that occurred in the OSCA will be replaced.

Signature: Margaret Mulkerrin

Date: July 9, 2001

# **WEEKLY CONSTRUCTION MEETING MINUTES FOR JUNE 14, 2001 MEETING AMERICAL CHEMICAL SERVICES NPL SITE**

**MEETING DATE:** June 14, 2001

**MEETING TIME:** 10:00 AM

**MEETING LOCATION:** ACS Site – Site Trailer

**ATTENDEES:**

Margaret Mulkerrin – Black & Veatch  
Tom Tinics – Montgomery Watson  
Robert Adams – Montgomery Watson  
Margaret Mulkerrin – Black & Veatch

**TOPICS**

Off-Site Temporary Cover

*Current efforts:* Montgomery Watson is currently compacting the existing clay and the cover material recently placed to cover regraded spoils piles. The southern portion of the Off-Site Area has been surveyed to establish base grades for the Temporary Cover, and the northern portion will be surveyed upon completion of the compacting activities. Temporary Cover activities to date have not damaged the piezometers in the Off-Site Area. However, if piezometers are damaged during completion of the Temporary Cover activities, the damaged piezometers will be replaced.

*One to two week look ahead schedule for Off-Site Temporary Cover:* A geotechnical testing laboratory will be brought on site to test the existing clay in the Off-Site Area for suitability to be used for the Temporary Cover. The geotechnical testing will be conducted in June 15 and 18, 2001. Potential subcontractors for placing the clay for the additional cover material for the Off-Site Temporary Cover will be evaluated upon completion of the geotechnical testing of the existing material. The survey and clay placement will begin upon selection of the subcontractor.

Excavation of PCB-impacted Soil in Wetlands

The excavation of PCB-impacted soil in the wetland area is scheduled for the end July 2001. The effluent of the GWTP will be re-directed to discharge to the south of the railroad tracks to assist in lowering the water level in the wetlands. The effluent will be re-directed starting the week of 18 June 2001.

In Situ Vapor Extraction System (ISVE) – Off-Site Area

A meeting was conducted on June 12, 2001 at the site with the thermal oxidizer unit vendor to discuss final technical and contractual details for the unit. Montgomery Watson is currently developing a Request for Bid (RFB) package for potential

subcontractors for installing the ISVE wells. The RFB will be submitted to potential bidders on June 15, 2001.

#### Summary of Past Two Weeks

*Summary of GWTP operation:* Currently, extraction wells EW-10, EW-11, and EW-20, the Fire Pond, and the PGCS are being pumped into the GWTP.

#### Looking Ahead to Next Two Weeks

The construction of Off-Site Temporary Cover will continue.

The Long-Term Groundwater Monitoring June 2001 sampling round is scheduled for week of June 18. It will include a full round of water levels and collection of indicator parameters from all monitoring network wells. The third round of sampling of the ORC<sup>®</sup> South Area Pilot Study wells will also be conducted after the regular monitoring is completed.

Contract Dewatering Systems (CDS) will return in June to complete the installation of the Barrier Wall Extraction System by finishing the cleanout for EW-20.

#### Next Weekly Construction Meeting

- Thursday, June 21, 2001

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**Weekly Oversight Summary Report No. 16**  
**ACS Superfund Site WA30, 46526.238**

**Reporting Period:** Week of June 18, 2001

**BVSPC O/S Dates:** June 18, 2001 and June 21, 2001 (Ms. Mulkerrin)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza Warrenville, IL	8	Respondent's General Contractor
Black & Veatch Special Projects Corp. (BVSPC)	2	USEPA Oversight Contractor
Great Lakes Environmental	1	Material Testing Services
Area Survey	2	Surveyor
Austgen Electrical	1	Electrical Contractor

**Construction Activities**

**Major Activities:**

- Groundwater sampling (major round) took place all week (Montgomery Watson Harza).
- Topographic survey has been done in OSCA to determine where additional clay is needed (Area Survey).
- Nuclear density testing is being done on clay in OSCA. These results will determine if the clay is considered suitable, allowing it to be included as part of the clay cap thickness (Great Lakes and Montgomery Watson Harza).
- The RFB for ISVE drilling has been sent out as of Monday.
- Discharge for GWTP has been rerouted to reduce water in wetlands. The piping utilized for this has been previously used onsite for dewatering drum removal excavation area. Piping has been pressure washed. Montgomery Watson Harza does not plan on taking a sample at the new discharge, unless directed otherwise by the USEPA.
- Weekly construction coordination meeting .

**Topics of Concern:**

- Montgomery Watson Harza was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

**Upcoming Activities:**

- Cap installation and final grading of detention pond in offsite area. (Montgomery Watson Harza does not believe it necessary to use 40 hour trained contractors for this work. They believe the work will not be intrusive.)
- Pilot study for drilling method in offsite area.
- PCB soil removal in wetlands tentatively scheduled for July.
- Once water table is lowered, Contract Dewatering will return to install clean out in extraction trench 20.
- Piezometers damaged during the grading of the OSCA will be replaced.
- Sampling of ORC wells in south pilot study to occur the week of June 25, 2001.
- Walk through for potential ISVE well drilling contractors scheduled to occur on June 26, 2001.

Signature: Margaret Mulkerrin

Date: July 9, 2001

**WEEKLY CONSTRUCTION MEETING MINUTES  
FOR JUNE 21, 2001 MEETING  
AMERICAL CHEMICAL SERVICES NPL SITE**

**MEETING DATE:** June 21, 2001

**MEETING TIME:** 10:00 AM

**MEETING LOCATION:** ACS Site - Site Trailer

**ATTENDEES:**

Tom Tinics - MWH  
Chris Daly - MWH  
Robert Adams - MWH  
Travis Klingforth - MWH  
Stela Williams - MWH  
Margaret Mulkerrin - Black & Veatch

**TOPICS**

Health & Safety

Tom Tinics stated that there were no health and safety incidences during the past week.

Off-Site Temporary Cover

*Current efforts:* Rough grading is complete. MWH is currently developing an RFB to complete final grading including, cutting the swales and for procurement and placement of the cover material. The sedimentation pond is working and retaining sediment from storm water run-off.

*One to two week look ahead schedule for Off-Site Temporary Cover:* Geotechnical testing equipment will be brought on site to test the material placed over the spoils piles. The geotechnical laboratory will perform testing in accordance with the ASTM standards specified by MWH. The geotechnical testing will be conducted on June 26, 2001. Final grading and cover material placement will begin upon selection of a borrow source and earth-moving subcontractor. This work is anticipated to begin in mid-July. MWH is planning to develop a table/figure that identifies the piezometers that are intact, damaged, and lost.

Excavation of PCB-impacted Soil in Wetlands

The excavation of PCB-impacted soil in the wetland area is scheduled for the end of July 2001. The effluent piping of the GWTP was been redirected to south of the railroad tracks. MWH plans to begin discharge to this location at noon on June 22, 2001. Robert Adams requested that Black & Veatch notify MWH prior to this time of any sampling requests that the U.S. EPA has for the effluent of the redirected outfall. It was noted that conditions have not become dry, as is common in July. We will be watching the weather and proposing short-term postponement of the sediment removal if the conditions stay wet into the beginning of July.



### In Situ Vapor Extraction System (ISVE) - Off-Site Area

The thermal oxidizer has been ordered and is anticipated to be on site at the end of August or early September. There is a site walk on June 26, 2001 for bidders who are bidding to install the ISVE wells.

### Groundwater Monitoring

At the end of June 20, 2001 all of the water levels have been collected and 22 wells have been sampled. The remaining 22 wells will be sampled the remainder of the week of June 18, 2001. Sampling of the ORC wells will be conducted on June 26, 2001.

### Summary of Past Two Weeks

*Summary of GWTP operation:* Currently, extraction wells EW-10, EW-11, and EW-20, the Fire Pond, and the PGCS are being pumped into the GWTP. EW-17 and EW-18 will be brought on line in the next few weeks.

*Drum Removal:* The ACS facility has begun to conduct the weekend inspections of the drums and roll-off boxes from the drum removal. ACS will use their normal inspection forms for documentation and send a copy of MWH.

### Looking Ahead to Next Two Weeks

The construction of Off-Site Temporary Cover will continue.

Sampling of the ORC wells will be conducted on June 26, 2001.

A pre-bid meeting will be conducted on the site on June 26 at 10:00 AM for installation of the ISVE wells.

Contract Dewatering Systems (CDS) will return in June to complete the installation of the Barrier Wall Extraction System by finishing the cleanout for EW-20.

Kevin Adler, Sean Grady, Larry Campbell, Todd Lewis and Peter Vagt met on site during the ISVE Well Construction Site walk on Tuesday, June 26, 2001. After that discussion, it was agreed that the standing Thursday On-Site Construction meeting will be cancelled for this week (June 28).

It was also noted that the following Thursday falls on July 5<sup>th</sup>, following the national holiday, and suggested that it might be reasonable to cancel that On-Site Construction meeting if there is a low level of activity during the first week in July. MWH will call each participant in the weekly construction meetings on July 2 or 3 to either schedule or postpone the standing meeting for July 5<sup>th</sup>.

### Next Weekly Construction Meeting

- To be determined

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**Weekly Oversight Summary Report No. 17**  
**ACS Superfund Site WA30, 46526.238**

**Reporting Period:** Week of June 25, 2001

**BVSPC O/S Dates:** June 26, 2001 (Mr. Campbell)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza, Warrenville, IL	6	Respondent's General Contractor
Black & Veatch Special Projects Corp. (BVSPC)	1	USEPA Oversight Contractor
IT Corporation	1	Potential ISVE Well Bidder
Top Flight Drilling	1	Potential ISVE Well Bidder
Boart Longyear	1	Potential ISVE Well Bidder
Mid-America Drilling	1	Potential ISVE Well Bidder
Rock & Soil Drilling	2	Potential ISVE Well Bidder
USEPA	1	
IDEM	2	
Terra Engineering & Construction	1	Potential ISVE Well Bidder

**Construction Activities**

**Major Activities:**

- ISVE well installation pre-bid meeting and site tour with Montgomery Watson Harza and potential well drilling contractors.
- Integrity of clay in OSCA has been evaluated (Great Lakes).
- Rerouted discharge for GWTP was to be sampled at outlet pipe.
- Weekly construction coordination meeting was not held due to lack of activities.

**Activities Performed:**

ISVE well installation pre-bid meeting took place on site on June 26, 2001. The meeting was conducted by Richard Mueller of MWCI. Mueller described the scope of work and reviewed the bid package sent to prospective bidders. Emphasis was placed on health and safety issues and training and medical

monitoring of personnel. A walking tour of the site was then conducted, pointing out proposed ISVE well locations.

Todd Lewis of MWCI discussed drum disposal options with Sean Grady (IDEM), Kevin Adler (USEPA), and Larry Campbell (BVSPC). Consideration is currently being given to recycling (blending) of liquids, and incineration.

Pete Vagt stated that the discharge from the GWTP has been rerouted to minimize water in the wetlands, due to the upcoming PCB removal activities. A sample of the effluent will be taken from the rerouted effluent pipe (portions of which had been previously used to transport contaminated liquids).

**Topics of Concern:**

- Montgomery Watson Harza was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

**Upcoming Activities:**

- Cap installation and final grading of detention pond in offsite area. (Montgomery Watson Harza does not believe it necessary to use 40 hour trained contractors for this work. They believe the work will not be intrusive.)
- Pilot study for drilling method in offsite area.
- PCB soil removal in wetlands tentatively scheduled for July.
- Once water table is lowered, Contract Dewatering will return to install clean out in extraction trench 20.
- Piezometers damaged during the grading that occurred in the OSCA will be replaced.
- Sampling of ORC wells in south pilot study to occur this week.

Signature: Margaret Mulkerrin

Date: July 13, 2001

LMC

**OFCA SOIL VAPOR EXTRACTION (SVE) WELL INSTALLATION  
AT  
AMERICAN CHEMICAL SERVICES (ACS) NPL SITE**

**PREBID MEETING AGENDA**

**Date:** June 26, 2001  
**Time:** 10:00 am  
**Location:** ACS Site – MWCI Site Trailer

- 1) Site Introduction
- 2) General Overview of Site Operation
  - Origin of vapor stream to be collected by wells
  - Well interface with other parts of SVE system
- 3) Site Location of Wells
  - 2 Areas: Off-Site Containment Area & Kapica-Pazmey Area
  - Mobilization and access to the site *no water or power*
  - Staging and handling of materials *need to drill on site.*
  - PPE and safety requirements. *- Level B, 40hr, 8hr, Medical Certs on site*
- 4) Review Installation of Wells
  - Potential problems drilling through buried drums *drill ~10' below water table*
  - Follow schedules on drawing for proper depth
  - Bore hole diameter: minimum size *10"*
  - Be sure to maintain integrity of existing clay layer *MWH to manage spoils*
  - *MWH to repair Comp*
- 5) Materials of Construction
  - Proper backfill material, Bentonite layers
  - Well material, screen size, proper cap on both ends *- Need submittals of materials*
- 6) Necessary documentation
  - Bid documents
  - Preconstruction Documentation
  - Well Installation Log Sheets and daily reports.
  - Construction Documentation Report

*How to close boring that hit rock? Possibly backfill w/ sand or bentonite cap or all w/ bentonite*
- 7) Site Walk
- 8) Final discussion, questions

[illegible]

0730 ARRIVE ONSITE WEATHER: 50°F, LIGHT WIND  
PARTLY CLOUDY.

0800 ONSITE AREA: KES HAS BEGUN TO DECON EQUIPMENT, THE EXCAVATION IN AREA 'B' HAS BEEN ALMOST COMPLETELY BACKFILLED. THE EXCLUSION ZONE HAS BEEN RE-DEFINED TO INCORPORATE ONLY THE DRUM STAGING PAD.

0900 OFFSITE AREA: THE WORK ON THE DETENTION POND HAS BEEN DELAYED UNTIL THE POND CAN DRY OUT, & SMALLER EQUIPMENT IS AVAILABLE. RIGHT NOW THE BOTTOM IS WET & TO TRY TO PLACE RIP RAP WOULD ONLY CAUSE IT TO SINK INTO THE SOIL. TODAY THEY HAVE A DOZER OUT TO COVER THE PILE OF K-P DEBRIS, IDW DRUM DEBRIS. CHRIS DALY OF M.W. IS USING A POWER AUGER TO DEVELOP A CLAY MAP.

# 1000 WEEKLY CONSTRUCTION MEETING NOTES

- WILL SUBMIT FINAL AIR MONITORING RESULTS TO EPA
- HAVE DOWNGRADED SITE TO LEVEL D DUE TO THE COMPLETION OF INTRUSIVE ACTIVITIES, WILL WEAR SPLASH PROTECTION TO DECON. EQUIPMENT.
- NO LONGER PUMPING FROM ONSITE AREA TO FIREPOND.
- EXCLUSION ZONE WILL NOW ONLY INCORPORATE STAGING PAD

Margaret E. Mulkerin

② Margaret E. Mulkenin 05/31/01

MEETING NOTES CONTINUED: —————

- HOW TO HANDLE ROLL OFF BOXES? M. GROSTICK STATED THAT WILL BE ON A CASE BY CASE BASIS - BASED ON AIR MONITORING RESULTS & TYPE OF WORK. MAY REQUIRE LEVEL B. AGREED THAT NOTHING CAN BE DONE UNLESS SAFETY PROCEDURES ARE DECIDED ABOUT. —————
- AIR MONITORING CONTINUES IN OFFSITE AREA. VOC PILE HAS BEEN REGRADED & THERE IS AN ODOR. AIR MONITORING RESULTED IN 10 PPM. WILL CONTINUE TO MONITOR. —————
- DRUM TOTALS: MW DISTRIBUTED A BREAKDOWN OF DAILY PRODUCTION FOR THE DRUM REMOVAL.
- SAMPLES WILL BE SENT TOMORROW TO LAB, RESULTS NEXT WEEK. —————
- KES PLANS TO DEMOB TOMORROW. —————
- MW WILL GPS THE DRUM REMOVAL AREA.
- <sup>USED</sup> PPE WILL BE SECURED ON THE PAD.
- DETENTION BASIN IN OFFSITE AREA IS 70% COMPLETE. —————
- VOC & PCB PILES HAVE BEEN MOVED. IDW WASTE HAS BEEN SHEARED & PLACED IN UPPER AQUIFER SPOILS PILE. —————
- SILT FENCE IS IN PLACE IN OFFSITE AREA.
- THE ACCESS ROAD TO THE PROPOSED BLOWER

Margaret E. Mulkenin

③ Margaret E. Mulkenin 05/31/01

WILL COME FROM THE SOUTH GATE, RATHER THAN THE NORTH GATE AS PROPOSED. —————

- WILL BEGIN TO CUT WESTERN SWALE, ROUGH GRADING WILL BE COMPLETE NEXT WEEK. —
  - GWTP SHUT DOWN FRI - TUES DUE TO A BACKUP.
  - EN11 & EN20 WILL BE TAKEN OFFLINE TODAY.
  - MAY MAINTAIN ONSITE AREA THRU THE USE OF EN10.
  - JUNE 6<sup>TH</sup> EXPECTING A SUBMITAL FROM THE OXIDIZER VENDOR. JUNE 12<sup>TH</sup> THE VENDOR WILL BE ONSITE. —————
  - NEXT WEEK OR TWO, A PILOT STUDY IN THE OFFSITE AREA TO DETERMINE THE BEST METHOD FOR THE SVE WELL INSTALLATION. OPTIONS INCLUDE: AUGER, SONIC, BUCKET, LANDFILL. HAVE NOT SELECTED A DRILLER YET. —————
  - THE INTERIM CAP SHOULD BE INSTALLED IN THE NEXT 1-2 WEEKS. WILL PROCEED TO FINAL CAP IN NON-ENGINEERED AREAS.
- END OF MEETING NOTES. —————
- 1130 PICTURE 10 ROLL 10 —————
- FACING NORTH IN ONSITE AREA. KOESTER RECONNING EQUIPMENT. —————

Margaret E. Mulkenin

④ Margaret E. Mulkenin 05/31/01

PERSONNEL PRESENT

LEE OROSZ	MWCI
MAT GROSTICK	MWA
STEVE FIELD	MEI
ETIENNE CAMEL	KES
STEVEN WOLCOTT	KES
JAMIE BERGERON	KES
JACK FIELD	KES
MAUREEN HANDLER	KES
CARIS DALY	MWA
MIKE REXING	KES
ROB ADAMS	MWA
ALEX ELLWOOD	MWA
TODD LEWIS	MWCI
M. MULKENIN	BVSPK
TOM TINICS	MWCI
PETER VAGT	MWA
MIKE CHENOWETH	SIMILABS
MARK FULLER	CEC INC
KEVIN FALVEY	SI

1300 PICTURE II ROLL ID  
FACING EAST. KES GRADING AREA 'A'  
WITH CLEAN FILL

1345 SPOKE WITH TODD LEWIS RE. ROLL  
OFF BOXES. HE STATED THAT THEY WOULD

Margaret E. Mulkenin

⑤ Margaret E. Mulkenin 05/31/01

BE KEPT JUST WEST OF THE DRUM STAGING PAD  
ALONG THE NORTHERN FENCE LINE. I INQUIRED  
IF THEY WERE PLANNING ON PUTTING CAUTION  
TAPE OR ORANGE FENCING AROUND (SIMILAR  
TO THE STAGED DRUMS) TODD SAID THEY WOULD  
DO THAT

1500 LEAVE SITE

~~Margaret E. Mulkenin  
May 31, 2001~~

Margaret E. Mulkenin

⑥ Margaret E. Mulkerin 06/06/01

0800 ARRIVE ONSITE. WEATHER: RAIN, DENSE  
FOG, 55°F.

PERSONNEL ONSITE

LEE OROSZ

MWCI

TOM TINICS

MWCI

TIM

AUSTGEN

MARGARET MULKERRIN BVSPC

0815 SPOKE WITH TOM TINICS. NO MAJOR  
ACTIVITIES OCCURRING DUE TO THE WEATHER.  
TODAY KES WILL BE BACK ONSITE FOR A  
TIME TO SAMPLE THE DRUMS <sup>FROM</sup> ~~FROM~~ WHICH  
WERE REMOVED DURING THE WATER LINE INSTAL-  
LATION. THESE SHOULD HAVE BEEN SAMPLED  
DURING THE DRUM EXCAVATION, BUT WERE  
NOT DUE TO AN OVERSIGHT ON M.W. PART.  
AUSTGEN IS REMOVING THE CAUTION TAPE  
FROM THE POWER LINES ABOVE AREA B.  
THE STAGING OF THE ROLL OFF BOXES  
TO ALLOW FOR TRUCK TRAFFIC. TINICS  
STATED THAT HE WILL INSPECT THE  
ROLLOFFS TWICE DAILY - LOOKING FOR LEAKAGE,  
MAKING SURE THEY ARE COVERED PROPERLY, &  
PERFORM AIR MONITORING. I NOTICED THE  
FENCING/CAUTION TAPE THAT WAS TO SURROUND  
THE ROLL-OFFS HAS NOT BEEN INSTALLED

Margaret E. Mulkerin

⑦ Margaret E. Mulkerin 06/06/01

YET. TINICS SAID THEY WILL PUT THAT UP TODAY.  
SINCE LAST WEEK, KES DEMOB. ON FRI AFTERNOON,  
MEI INSTALLED A 4" CLAY CAP OVER THE NEWLY  
GRADED PCB PILE. UPCOMING ACTIVITIES: INTERIM  
CLAY CAP TO BE INSTALLED TOMORROW, SURVEYOR  
TO DO TPO OF SOUTH OFFSITE AREA. PILOT  
STUDY FOR OFFSITE DRILLING FOR ISVE SYSTEM  
NOT SCHEDULED YET.

1000 LEAVE SITE.

Margaret E. Mulkerin  
June 6, 2001

Margaret E. Mulkerin



⑧ Margaret E. Mulkenin 06/07/01

815 ARRIVE ONSITE. WEATHER: CLOUDY, LIGHT RAIN, 50°F

900 SPOKE WITH TDM TINIUS. CLAY WILL NOT BE DELIVERED TODAY DUE TO WEATHER. MET MAY DO SOME GEN'L GRADING IN SOUTH OFFSITE AREA SINCE THEY ARE ONSITE.

1000 WEEKLY CONSTRUCTION NOTES:

- NEXT WEEK WILL BE MEETING W/ VENDOR ON ISVE SYSTEM DESIGN.
- DRILLING FOR OFFSITE ISVE SYSTEM WILL AWARD CONTRACT TO TWO TYPES OF EXCAVATION: BUCKET & AUGER. WILL BEGIN W/ AUGER & FINISH WITH BUCKET WHERE THEY GET REFUSAL.
- DRILLING TO BEGIN AFTER INTERIM CAP → LATE JUNE EARLY JULY.
- REVIEW OF LAST TWO WEEKS -
- NO LONGER PUMPING FROM FIREPOND TO GWTP
- EXTRACTION TRENCHES 10, 11 & 20 ONLINE
- EXTRACTION TRENCH 20
  - INSTALLING PUMPS AT INTER-MEDIATE POINTS TO INCREASE PUMPING RATES X4.
  - ONCE WATER TABLE IS LOWERED, CONTRACT DEWATERING WILL COME OUT TO INSTALL C.O. IN EX. TRENCH 20.

Margaret E. Mulkenin

⑨ Margaret E. Mulkenin 06/07/01

• LOOK AHEAD -

• ALL 44 WELLS FOR VOC SAMPLING JUNE 18 WILL TAKE ONE WEEK.

• WILL HAVE H&S MEETING @ 7AM ON 6/18 FOR SAMPLING.

1200 LEAVE SITE.

~~Margaret E. Mulkenin  
June 7, 2001~~

Margaret E. Mulkenin

⑩ Margaret E. Mulkenrin 06/13/01

730 ARRIVE ONSITE.

745 SPOKE WITH TOM TINICS. CLAY COVER HAS BEEN LAID OVER PCB SPOILS, VOC SPOILS, IDW WASTE, KP BUILDING DEBRIS. SURVEYORS HAVE DONE TOPO ONSITE TO DETERMINE HOW MUCH ADDITIONAL CLAY IS NECESSARY. INTERIM CAP TO ~~BE~~<sup>WAS</sup> ~~FINAL~~ INSTALLED SOMETIME AT THE END OF JUNE. DRILLING WILL OCCUR EITHER SIMULTANEOUSLY, OR FOLLOWING THE CAP WORK. THE PCB REMOVALS SET TO BEGIN THE LAST TWO WEEKS OF JULY. FINAL WORK ON DETENTION POND YET TO BE DONE. WHEN INTERIM CAP IS INSTALLED, FINAL CAP WILL BE PLACED ALONG THE EAST & NORTH EDGE OF THE AREA.

800 TODAY, TOM WILL BE COMPACTING THE CLAY WITH A ROLLER.

945 PHOTO 1 ROLL IT FACING WEST IN SOUTH OFFSITE AREA. TOM TINICS ROLLING CLAY.

1000 CONSTRUCTION PROGRESS MEETING NOTES

- OFFSITE INTERIM CAP - THE RPB OF THIS WEEK, START WORK IN 2-3 WEEKS.
- DRILLING FOR ISVE WELLS WILL BEGIN MID-JULY, MAY DO TEST DRILLING IN LATE JUNE.

Margaret E. Mulkenrin

⑪ Margaret E. Mulkenrin 06/14/01

• ANY DAMAGED PIEZOMETERS WILL BE REPLACED DID NOT ABANDON ALL OF THEM.

• 'CONTRACT' FOR PCB REMOVAL HAS NOT BEEN AWARDED YET, THE PROCESS WILL INVOLVE 1'-2' OF REMOVAL WITH CONFIRMATION SAMPLING.

• MAJOR ROUND OF G.W. SAMPLING TO OCCUR NEXT WEEK. SAMPLING OF ORC WELLS IN SOUTH PILOT AREA WILL OCCUR THE FOLLOWING WEEK.

• MW. PLANS ON HAVING THE ISVE SYSTEM UP & RUNNING BY THE END OF AUGUST.

• ~~SPAKE~~<sup>WAS</sup> NEXT WEEK. CUT SWALES IN OFFSITE AREA, BRING IN SOME ADDITIONAL CLAY FOR OFFSITE COVER.

• END OF MEETING NOTES.

1130 SPOKE WITH TOM TINICS REGARDING THE OFFSITE COVER. TOM USED A SMOOTH DRUM VIBRATING ROLLER TO COMPACT THE CLAY. I INQUIRED WHY HE DIDN'T USE A SHEEPSFOOT ROLLER. HE STATED THAT THEY DIDN'T HAVE ONE AVAILABLE TO THEM. TOM SAID THAT AN AVERAGE OF 6" OF CLAY HAS BEEN PLACED, BUT THIS WILL NOT BE COUNTED AS PART OF THE INTERIM CAP.

Margaret E. Mulkenrin

⑫ Margaret E. Mulkerin 04/14/01

PERSONNEL ONSITE

LEE OROSZ	MWCI
TIM KIRKLAND	AUSTGEN'S
TOM TINICS	MWCI
MARGARET MULKERIN	BVSPL
KEVIN FALVEY	SI
ROB ADAMS	MWA
WILLIAM L WEDEL	BW SERVICE

*Margaret E. Mulkerin*  
*June 14, 2001*

*Margaret E. Mulkerin*

⑬ Margaret E. Mulkerin 04/18/01

700 ARRIVE ONSITE WITH CHAD BAILEY. GROUND WATER SAMPLING WILL BEGIN TODAY. MW PERSONNEL WILL TAKE WATER LEVELS TODAY.

800 IN SOUTH OFFSITE AREA CHRIS DALY OF M.W. IS WORKING W/ TECH FROM LAB TO PERFORM NUCLEAR DENSITY TESTING ON CLAY. SOME TESTING WAS DONE ON FRIDAY. THEY SHOULD FINISH UP TODAY.

1100 SPOKE WITH TOM TINICS REGARDING SITE STATUS. THE RFD FOR DRILLING WILL GO OUT THIS WEEK. A WALK TALK FOR POTENTIAL CONTRACTORS TO OCCUR ON JUNE 26<sup>TH</sup>. THE SWALES IN THE OFFSITE AREA WILL BE CUT THIS WEEK. THE NUCLEAR DENSITY TESTING THAT IS HAPPENING WILL BE TO SEE IF THE CLAY IS COMPACTED UP TO SPEC. IF SO, THEY WILL USE IT TO COUNT FOR THE INTERIM CAP. THIS IS A CHANGE FROM LAST TIME WE SPOKE. I QUESTIONED THE COMPACTION PROCEDURES & TOM SAID THAT IF IT MEETS COMPACTION REQUIREMENTS, THE METHOD SHOULD NOT MATTER. 1300 OBSERVE M.W. PERSONNEL TAKE PIZOMETER READINGS IN OFFSITE AREA. 1400 LEAVE SITE.

*Margaret E. Mulkerin*

(16) Margaret E. Mulvihill - 06/21/01

1000 CONSTRUCTION PROGRESS MEETING

- WILL MOVE GWTP DISCHARGE TOMORROW TO REDUCE WATER IN WETLANDS. THE PIPING USED FOR THE RE ROUTE HAS BEEN USED FOR OTHER THINGS (SUCH AS PIPING WATER FROM EXCAVATION DURING DRUM REMOVAL). BVSFC INQUIRED WHETHER A SAMPLE WILL BE TAKEN WHEN THE LINE IS ACTIVATED. M.W. DID NOT FEEL THAT WAS NECESSARY BECAUSE THEY SAID THE LINES WERE DECONNED.

- STILL PUMPING FROM THE FIREPOND, AS NEEDED. MAY FILL FIREPOND WITH EXCAVATION FROM PCB REMOVAL, AS LONG AS  $< 50 \text{ ppm}$ .

- 6/26 WALK THRU FOR DRILLING CONTRACTORS

- OXIDIZER HAS BEEN ORDERED, AUGSTENS WILL DO INSTALL.

- ORC WELL SAMPLING WILL OCCUR NEXT WEEK.

- A LIST OF DAMAGED PIEZOMETERS FROM OFFSITE AREA WAS PROVIDED. STILL DECIDING ON WHEN & HOW TO REPLACE.

Margaret E. Mulvihill

(17) Margaret E. Mulvihill - 06/21/01

- ONCE WATER LEVEL DROPS, CONTRACT DOWATERING WILL COME OUT TO REPAIR C.O. IN EXTRACTION TRENCH 20.

- ACS IS PERFORMING WEEKEND MONITORING OF ROLL OFFS & DRUMS. WILL PROVIDE M.W. W/ DOCUMENTATION

- WILL BID CAP WORK, SWALE GRADING, FINISHING DET POND, & PCB REMOVAL TO ONE CONTRACTOR. M.W. MENTIONED THAT THEY WILL NOT REQUIRE 40 HOUR TRAINED PEOPLE FOR OFCA WORK B/C IT WILL BE ALL FILL WORK, NOTHING INTRUSIVE.

- WOULD LIKE TO SEND REFS FOR CAP OUT THE WEEK OF 7/9

- GREAT LAKES WILL DO AN UPDATE ON CLAY SURVEY.

END OF MEETING NOTES

1330 LEAVE SITE

Margaret E. Mulvihill  
June 21, 2001

Margaret E. Mulvihill

(14) Margaret E. Mulk 06/18/01

PERSONNEL PRESENT

LEE OROSZ MWCI  
SUE ELLINGHAM MWA  
TRAVIS KLINGFORTH MWA  
CHAD SMITH MWA  
TERRY FRISK RYAN CONSTRUCTION Men  
JERRY CLARK RYAN CONSTRUCTION Men  
DOUG GAY RYAN Men  
SARAH SMITH MWA Men  
TOM TINICS MWCI  
IMSHUN JE MWA  
TIM KIRKLAND AUSTGEN'S  
MATT MESARCH MWA  
ADAM LUWNSID GREAT LAKES  
JOE SHEPLAY BD  
MARGARET MULKERRIN BVSPC  
CHAD GAILEY BVSPC

Margaret E. Mulk  
June 18, 2001

Margaret E. Mulk

(15) Margaret E. Mulk 06/21/01

THIS ARRIVE ONSITE. WEATHER: 60°F, RAIN.  
GROUNDWATER MONITORING TO OCCUR TODAY.  
CHAD GAILEY FROM BVSPC IS HERE FOR  
G.W. SAMPLING OVERSIGHT.  
BOB SPOKE WITH ROB ADAMS & CHRIS DALY.  
BOB STATED THAT THE RFB FOR DRILLING  
WENT OUT MONDAY. A SURVEYOR WILL COME  
OUT TO FINISH THE TOP OF THE OFFSITE  
AREA (SPOILS PILES WERE NOT TOPPED)  
SOON. NEED TO CUT SWALES & BRING OUT  
MORE CLAY. PIPING IS IN FOR THE GWTP  
REROUTE OF DISCHARGE. NOT SURE IF  
THE PLANT HAS CONNECTED TO THE PIPING  
YET.

PERSONNEL PRESENT

LEE OROSZ MWCI JOHN BREWER AMCO  
STELA WILLIAMS MWA  
SARAH SMITH MWA  
CHAD SMITH MWA  
TRAVIS KLINGFORTH MWA  
CHAD GAILEY BVSPC  
MARGARET MULKERRIN BVSPC  
TOM TINICS MWCI  
ROB ADAMS MWA  
CHRIS DALY MWA

Margaret E. Mulk

①8 6-26-01 Larry M Campbell

0845 Arrive onsite - Weather 85°F

Sunny. Observed Great Lakes  
assessing clay cover in off site area.

No other construction activities occurring.

1000 SVE Well Instal. Prebid Mtg  
at Site in Montgomery Watson Harza (MWH)  
conducted by Richard Mueller of MWCI  
Attendees:

Greg Cooper - IT Corp

John Karston - Terra Engr. & Const

Tom Rutledge - Top Flight Drilling

Scott Thalacker - Burt Longyear

Mike Crimaldi - Mid-America Drilling

Dave D'Armond - Rock & Soil Drilling

Domenick Sinibaldi - " " "

Richard Mueller - MW Const Inc (MWCI)

Todd Lewis - MWCI

Chris Daly - MWH

Peter Vagt - MWH

Kevin Adler - USEPA

Sean Grady - IDEM

John Nardine - IDEB

Larry Campbell - BUSPC

Agenda distributed & discussed

Larry Campbell

Jim Campbell

①9

6-26-01

Mueller described scope of work &  
reviewed the bid package sent to  
prospective bidders. Emphasis was  
placed on health & safety issues &  
Training & medical monitoring of  
personnel. After reviewing bid  
pkg & answering bidders questions,  
a walking tour of the off-site area  
was conducted - pointing out areas  
where SVE Wells will be installed.  
11:30 Site Tour & prebid Mtg ENDED.

11:30 Todd Lewis described to Adler  
Grady & Campbell the status of HAZ  
drum disposal, including possible local  
recycling (blending) of liquids and  
possible incineration of ~~the~~ drum contents  
and drums by various vendors. Will  
advise Agencies of proposed scheme when  
all input has been received.

• Peter Vagt mentioned that Treatment plant  
discharge has been directed through pipe  
to gully on S. side of RR tracks downstream  
of off site area sediment pond.

MWH will collect sample of plant effluent  
today at plant and at end of discharge  
pipe

Jim Campbell





Site: American Chemical Services, Inc.  
Proj. #: 46526  
Roll: 11 Photo #1  
Date: 06-13-01 Time: 09:45  
Photographer: Margaret E. Mulkerrin  
Description: Photo facing west in OSCA. Tom Tinics  
using roller to compact clay.



# BLACK & VEATCH

101 N. Wacker Drive  
Suite 1100  
Chicago, Illinois 60606-7302

Tel: (312) 346-3775  
Fax: (312) 346-4781

Black & Veatch Special Projects Corp.

USEPA/RAC VII  
American Chemical Services RAO (057-ROBF-05J7)

BVSPC Project 46526  
BVSPC File C.3  
August 29, 2001

Mr. Kevin Adler  
U.S. Environmental Protection Agency  
77 W. Jackson Boulevard (SR-6J)  
Chicago, Illinois 60604-3590

Subject: Revised Text and Additional  
Photographs for Monthly Oversight  
Summary Report No. 6 for June 2001

Dear Mr. Adler:

Enclosed is revised text for the Monthly Oversight Summary Report No. 6 for June 2001 and revised text for the Weekly Oversight Summary Report No. 17 for the week of June 25, 2001, for the American Chemical Services Superfund Site in Griffith, Indiana. These reports have been revised to reflect BVSPC's presence onsite on June 28 for the purpose of observing sampling of the ORC monitoring wells in the south pilot test area.

Also enclosed is a copy of the June 28 field log and four additional photographs showing damaged and repaired conveyance piping. I had taken these photographs on my personal camera and had not gotten them developed when Report No. 6 was issued.

If you have any questions, please call (312-683-7856) or email ([campbelllm@bv.com](mailto:campbelllm@bv.com)).

Sincerely,  
BLACK & VEATCH Special Projects Corp.

Larry M. Campbell, P.E.  
Site Manager

Enclosure

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**Monthly Oversight Summary Report No. 6**  
**ACS Superfund Site WA30, 46526.238**

**Reporting Period:** Month of June (June 2 - June 29, 2001)

**BVSPC O/S Dates:** June 6, 7, 14, 18, 21, 26, and 28, 2001

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza, Warrenville, IL	8	Respondent's General Contractor
Black & Veatch Special Projects Corp. (BVSPC)	3	USEPA Oversight Contractor
Mid American Drilling	1	Potential ISVE Drilling Contractor
Austgen Electrical	1	Electrical Contractor
Area Survey	2	Surveyor
Great Lakes Environmental	1	Material Testing Services
IT Corporation	1	Potential ISVE Drilling Contractor
Boart Longyear	1	Potential ISVE Drilling Contractor
Rock & Soil Drilling	1	Potential ISVE Drilling Contractor
Terra Engineering & Construction	1	Potential ISVE Drilling Contractor
USEPA	1	
IDEM	2	
Top Flight Environmental Drilling	1	Potential ISVE Drilling Contractor
Koester Environmental Services	2	Buried Drum Removal Contractor
Midwest Environmental, Inc.	2	IDW Drum Management/ Detention Pond Contractor

## **Construction Activities**

### **Major Activities:**

- Samples were collected from drums removed during water line installation for HAZCAT analysis (Montgomery Watson Harza with Koester Environmental Services).
- A clay cover was placed over regraded PCB and SVOC spoils piles, IDW waste, and K-P building debris in the OFCA (Midwest Environmental Inc.)
- Topographic survey has been done in OFCA to determine where additional clay is needed (Area Survey).
- Groundwater sampling (major round) took place on the week of June 18, 2001.
- Discharge for GWTP has been rerouted to decrease water in wetlands in preparation for PCB contaminated soil removal.
- ISVE well installation pre-bid meeting and site tour with Montgomery Watson Harza and potential well drilling contractors.
- ORC monitoring well sampling in south pilot study area (Montgomery Watson Harza).

### **Activities Performed:**

While drum removal activities were completed at the end of May, some minor issues relating to the drum removal work were dealt with this month. Koester Environmental Services returned to the site to obtain samples from several drums for HAZCAT analysis. These drums were overlooked during the original sampling as they were excavated during an earlier water line installation, prior to the recent removal action. The roll off boxes have been relocated within the site to allow for ACS truck traffic. Montgomery Watson Harza, along with help from the ACS staff on weekends, monitors the roll off boxes and drums twice daily. Disposal options for drums and roll off box contents are still being investigated. Consideration is currently being given to recycling (blending of liquids), and incineration.

Clay cover has been placed over the PCB and SVOC spoils piles, IDW waste, and K-P building debris in the OFCA. A topographic survey is being prepared to determine areas where additional clay is needed. Nuclear density testing has been performed on existing clay cover to determine whether it is suitable material for the interim cap. RFBs for the interim cap work and the ISVE well drilling in the OFCA were prepared and sent to potential bidders. On June 26, 2001 a pre-bid meeting and site tour for ISVE well installation took place.

The discharge for the GWTP has been rerouted to reduce water in the wetlands for upcoming PCB soil removal. The piping utilized for this has been used previously onsite for dewatering drum removal excavation area. Piping has been pressure washed. Montgomery Watson Harza stated that a sample was taken from the effluent pipe on June 26, 2001.

The ORC monitoring wells in the south pilot study area were sampled on June 29, 2001.

**Weekly Oversight Summary Report No. 17**  
**ACS Superfund Site WA30, 46526.238**

**Reporting Period:** Week of June 25, 2001

**BVSPC O/S Dates:** June 26 and 28, 2001 (Mr. Campbell)

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza, Warrenville, IL	6	Respondent's General Contractor
Black & Veatch Special Projects Corp. (BVSPC)	1	USEPA Oversight Contractor
IT Corporation	1	Potential ISVE Well Bidder
Top Flight Drilling	1	Potential ISVE Well Bidder
Boart Longyear	1	Potential ISVE Well Bidder
Mid-America Drilling	1	Potential ISVE Well Bidder
Rock & Soil Drilling	2	Potential ISVE Well Bidder
USEPA	1	
IDEM	2	
Terra Engineering & Construction	1	Potential ISVE Well Bidder

**Construction Activities**

**Major Activities:**

- ISVE well installation pre-bid meeting and site tour with Montgomery Watson Harza and potential well drilling contractors.
- Integrity of clay in OFCA has been evaluated (Great Lakes).
- Rerouted discharge for GWTP was to be sampled at outlet pipe.
- Weekly construction coordination meeting was not held due to lack of activities.
- ORC monitoring wells in south pilot study area were sampled (Montgomery Watson Harza).

**Activities Performed:**

ISVE well installation pre-bid meeting took place on site on June 26, 2001. The meeting was conducted by Richard Mueller of MWHCI. Mueller described the scope of work and reviewed the bid package sent to prospective bidders. Emphasis was placed on health and safety issues and

training and medical monitoring of personnel. A walking tour of the site was then conducted, pointing out proposed ISVE well locations.

Todd Lewis of MWCI discussed drum disposal options with Sean Grady (IDEM), Kevin Adler (USEPA), and Larry Campbell (BVSPC). Consideration is currently being given to recycling (blending) of liquids, and incineration.

Peter Vagt stated that the discharge from the GWTP has been rerouted to minimize water in the wetlands, due to the upcoming PCB removal activities. A sample of the effluent will be taken from the rerouted effluent pipe (portions of which had been previously used to transport contaminated liquids).

Montgomery Watson Harza attempted to sample the ORC monitoring wells in the south pilot study area on June 28 but had difficulties with new sampling gear. Sampling was actually conducted on June 29. BVSPC was onsite on June 28, but not on June 29, so did not observe the sampling.

**Topics of Concern:**

- Montgomery Watson Harza was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

**Upcoming Activities:**

- Cap installation and final grading of detention pond in offsite area. (Montgomery Watson Harza does not believe it necessary to use 40 hour trained contractors for this work. They believe the work will not be intrusive.)
- Pilot study for drilling method in offsite area.
- PCB soil removal in wetlands tentatively scheduled for July.
- Once water table in OFCA is lowered, Contract Dewatering will return to install clean out in extraction trench 20.
- Piezometers damaged during the grading that occurred in the OFCA will be replaced.

Signature: Margaret Mulkerrin

Date: July 13, 2001

*Revised August 24, 2001*

Attached are BVSPC's weekly reports, correspondence, log book notes, and photographs of the daily activities. BVSPC's crew conducted oversight of the major field activities during June 6, 7, 14, 18, 21, 26, and 28, 2001.

**Topics of Concern:**

- Montgomery Watson Harza was unable to obtain a groundwater elevation at monitoring well MW-18 due to debris in the well. MW-18 is part of the long term monitoring program.
- Installation of the abandonment casing around ATMW-4D is suspect as to its effectiveness because the outer casing was driven in with the kelly bar and the auger chuck. Driving the casing down does not allow the tremmie pipe to reach the bottom of the annulus space on the outside of the casing for proper grouting.

**Concern Resolution:**

- None to report this month.

**Upcoming Activities:**

- Cap installation and final grading of detention pond in OFCA. (Montgomery Watson Harza does not believe it necessary to use 40 hour trained contractors for this work. They believe the work will not be intrusive.)
- Pilot study for drilling method in offsite area.
- PCB soil removal in wetlands tentatively scheduled for July.
- Once water table is lowered, Contract Dewatering will return to install clean out in extraction trench 20.
- Piezometers damaged during the grading that occurred in the OFCA will be replaced.

**Signatures:**    Margaret Mulkerrin

**Date:**    July 16, 2001

*Revised: August 24, 2001*

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(20)

Jim Campbell

6-28-01

0815 Arrive on site to observe sampling of South Area ORC Monitoring Wells. Weather - Sunny, Clear & 80°F

0930 Travis Klingbein & Chad Smith MWH arrived on site after obtaining comp. gas to operate sampler. Decoded sampler pump

1030 Waiting on FedEx delivery of rented sampling gear

1200 Lunch

1300 FedEx pkg hasn't arrived - MWH needs regulator for compressed gas - Too late to conduct ORC South Sampling today - will try to tomorrow

1330 Observed Koestner End Services man (2) working in southern off-site area with bucket in vicinity of trench <sup>FW</sup> 20. KES repaired a force main that had been punctured by truck traffic on fill near Western end of Trench 20, <sup>near EW 204</sup> KES personnel planned to excavate near MW 20C to properly connect force main that had been incorrectly connected.

1345 Left site

Jim Campbell

(21)

Chad Smith

07/03/01

7:15 ARRIVED ON SITE @ GWTS, WEATHER Temp 68°F, OVERCAST, Light SW BREEZE

TODAY ACTIVITIES:

SITE WALK FOR RFB OF THE INTERM OFF SITE CAP.

9:00 Considered Revealing the RFB for Interim Cap.

QUESTION: PLACEMENT OF WOOD SPAILS, AND Questionable Composition of existing WASTE SPILLS.

QUESTION OF DRAINAGE IN NORTH EAST CORNER.

PLACEMENT/REPLACEMENT OF FENCING, private wells, manholes, who AND how.

MEETING NOTES

1) NO CULLING INTO EXISTING MATERIAL. DEBRIS Batch up & cart on need bases.

2) LIMITED, ENGINEERED SLOPER DIRT to E/S/E SYSTEM INSTALLATION.

Note: they (MWH) is stating they do not need to be 40 hr trained.

11:00 Called Kevin Miller to confirm the cancellation of Thursday's construction meet. No construction meeting this Thursday

Chad Smith





Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12A Photo #:6

Date: 06-28-01 Time: 13:30

Photographer: Larry Campbell

Description: Photo facing west showing repaired conveyance piping in vicinity of EW20 trench.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 12A Photo #:7

Date: 06-28-01 Time: 13:33

Photographer: Larry Campbell

Description: Photo facing south showing damaged conveyance piping in vicinity of EW20 trench.





Site: American Chemical Services, Inc.  
 Proj. #: 46526  
 Roll: 12A Photo #:8  
 Date: 06-28-01 Time: 13:35  
 Photographer: Larry Campbell  
 Description: Photo facing south showing damaged conveyance piping in vicinity of EW20 trench. Closeup of photo #7.

Site: American Chemical Services, Inc.  
 Proj. #: 46526  
 Roll: 12A Photo #:9  
 Date: 06-28-01 Time: 13:37  
 Photographer: Larry Campbell  
 Description: Photo facing south showing overview of damaged conveyance piping in vicinity of EW20 trench.